

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. through 16. (cancelled).

17. (previously presented): The method as defined in claim 1, wherein the optical wave-guide device includes an array wave guide grating for dividing multiplexed rays used for WDM optical telecommunication and binding the divided rays, and the refractive index is modified such that a ray having a specified wavelength is coupled to the optical wave-guide.

18. (original) The method as defined in claim 1, wherein the optical wave-guide device includes a fiber grating for diffracting a ray having a specified wavelength and the refractive index of the grating is modified by the specified wavelength.

19. through 26. (canceled).